



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Rafael L. Espinoza et al.

§ Group Art Unit: 1621

Serial No.: 10/743,856

§
§ Examiner: Jafar F. Parsa

Filed: December 22, 2003

§
§ Atty. Dkt. No.: 1856-24401
(9600.0-01)

For: Attrition resistant bulk metal
catalysts and methods of
making and using same

§
§
§
§
§



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Date: October 13, 2005

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

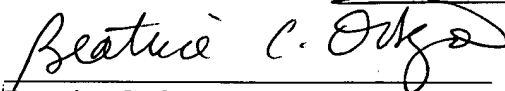
Sir:

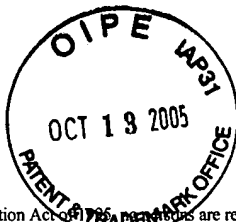
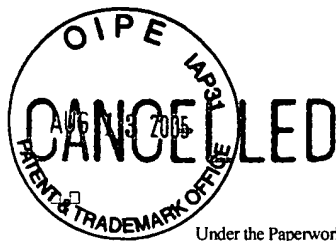
This Information Disclosure Statement, including completed Forms PTO/SB/08a and PTO/SB/08b which substitute PTO-1449A and 1449B forms, comprises a list of pertinent art of which Applicants are aware. This information is supplemental to the Information Disclosure Statements and Forms PTO 1449 filed in the above-referenced case on June 23, 2004.

The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Respectfully submitted,

10/17/2005 HLE333 00000122 161575 10743856
02 FC:1806 180.00 DA


Beatrice C. Ortego - Reg. No. 54,350
ConocoPhillips Company
600 North Dairy Ashford
Houston, TX 77079-1175
(281) 293-4751
AGENT FOR APPLICANT



Approved for use through 07/31/2006. OMB 0651-0031
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/743.856
Filing Date	December 22, 2003
First Named Inventor	Rafael L. Espinoza et al
Group Art Unit	1621
Examiner Name	Jafar F. Parsa
Attorney Docket Number	1856-24401 (9600.0-01)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-6107238	08-22-2000	Contractor & Letts	
	AB	US-4499209	02-12-1985	Hoek et al	
	AC	US-2244573	06-03-1941	Roberts Jr.	
	AD	US-4579985	04-01-1986	Minderhoud et al	
	AE	US- 4628133	12-09-1986	Minderhoud et al	
	AF	US-4522939	06-11-1985	Minderhoud et al	
	AG	US-4594468	06-10-1986	Minderhoud et al	
	AH	US-6548440	04-15-2003	Pham & Datye	
	AI	US- 2003/0207752	11-06-2003	Pham & Datye	
	AJ	US- 2002/0028745	03-07-2002	Krylova et al	
	AK	US- 2002/0019309	02-14-2002	Lapidus et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	AL	EP- 0109702 B1	03-09-1988	Minderhoud et al		
	AM	EP- 0583837 B1	11-19-1997	Rek & Blanketstein		
	AN	EP- 0153781 B1	10-05-1988	Post & Sie		
	AO	EP- 0510771 B1	07-24-1996	Reinalda et al		
	AP	EP- 0510772 B1	12-06-1995	Reinalda et al		

Examiner
Signature

Date
Considered

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/743,856
				Filing Date	December 22, 2003
				First Named Inventor	Rafael L. Espinoza et al
				Group Art Unit	1621
Examiner Name	Jafar F. Parsa				
Sheet	2	of	2	Attorney Docket Number	1856-24401 (9600.0-01)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
	BA	PHAM et al. "Improving the attrition resistance of slurry phase heterogeneous catalysts," Powder Technology, Vol. 110 Issue 3 (June 2000), pp. 196-203	
	BB	WEI et al, "Attrition resistance of cobalt F-T catalysts for slurry bubble column reactor use", Applied Catalysis A: General, Vol. 210 (March 2001), pp. 137-150	

Examiner Signature		Dated Considered	
-------------------------------	--	-----------------------------	--

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2